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IN THE U. S. PATENT AND TRADEMARK OFFICE

In re Application of: Hasselbrink

Art Unit: 2855

Serial Number: 09/695,816

Examiner: Thompson, J.

Filed: ²⁴10/4/2000

Attorney Docket No.: SD-8298

**For: MOBILE MONOLITHIC POLYMER ELEMENTS FOR FLOW CONTROL IN
MICROFLUDIC DEVICES**


Assistant Commissioner for Patents
Washington, D. C. 20231

RESPONSE

This paper is submitted in response to a Notice of Non-Compliant Amendment
(37 CFR 1.121) dated 07/07/02. A clean version of the amended claims is submitted
herewith as a separate paper.

Respectfully submitted,

Date: 5/21/02



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14. (amended) A device for controlling fluid flow in a microchannel system, comprising:

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a microchannel system disposed on a substrate, the microchannel system comprising a microchannel intersecting a cavity, wherein the cavity divides the intersecting microchannel into an inlet channel and an outlet channel; and

a rotatable polymer disc disposed on a hub within the cavity, wherein said rotatable polymer disc has projections distributed around its circumference such that rotation of polymer disc delivers a fixed volume of fluid from the inlet channel to the outlet channel.

15. (amended) The device of claim 14, further including means for detecting the rotation of said polymer disc.



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Application Serial No. -09/695,816 - SD-8298

For Applicant(s): Hasselbrink

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